

Bismuth Telluride Selenide

Chemical Formula	Bi ₂ Te _{2.7} Se _{0.3} - Nominal
Available Doping	Sulfur, Sodium, Antimony

Chemical Data

Bismuth	39-41 at.%
Tellurium	52-54 at.%
Selenium	4-8 at.%

Physical Data

Appearance	Dark-Grayish Black Powder
Formula Weight	786
Bulk (Powder) Density	Appr. 2 g/cc

Nanocrystal Data

Size	Avg. 10-50 nm
Melting point	500-550 °C
Stability	Stable under ambient conditions and up to 50-60 °C in air

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